

Emily Carter

January 16, 2026

Acme Corporation

RE: Internship Physicist

Dear Hiring Manager,

I am writing to express my enthusiasm for the Internship Physicist position at Acme Corporation, as advertised on your careers page. As a junior majoring in Physics at State University, I am excited about the opportunity to contribute to your innovative team while further developing my skills in a practical environment.

During my academic career, I have undertaken several projects that have honed my analytical and problem-solving skills. One of my proudest achievements was leading a team in a research project focused on quantum entanglement, where we successfully demonstrated a new method for measuring photon polarization. This experience not only deepened my understanding of quantum mechanics but also improved my ability to collaborate effectively with peers and communicate complex ideas to diverse audiences.

Additionally, I completed a summer internship at a local research lab, where I assisted in designing experiments to study the behavior of superconductors at varying temperatures. I played a key role in analyzing data using MATLAB, which resulted in the publication of our findings in a respected physics journal. This hands-on experience further solidified my passion for experimental physics and my desire to pursue a career in research.

I am eager to bring my strong analytical abilities and passion for physics to the Internship Physicist role at Acme Corporation. I would welcome the opportunity to discuss how my background, skills, and enthusiasm can contribute to your team. Thank you for considering my application, and I look forward to the possibility of discussing this exciting opportunity with you.

Sincerely,

Emily Carter